U.S.S.N. 09/842,613
Filed: April 26, 2001
AMENDMENT AND RESPONSE TO OFFICE ACTION

In the claims

- (once amended) An aqueous, film-forming coating composition comprising
 a polyhydroxyalkanoate polyester, wherein the composition forms a water-resistant film at
 ambient temperatures and at least 60% of the polyester particles have a density of less than 102%
 D_{min}, D_{min} being the lowest density attainable by the polyester.
- 11. (original) The composition of claim 1 wherein the polyhydroxyalkanoate polyester forms particles which fuse at ambient temperatures.
- 12. (original) The composition of claim 1 wherein the polyhydroxyalkanoate polyester comprises a copolymer of between 60 and 100 mole% 3-hydroxybutyrate and between 0 and 40 mole% 3-hydroxyvalerate.
- 13. (original) The composition of claim 1 further comprising other film-forming polymers.
- 14. (original) The composition of claim 13 wherein the film-forming polymers are obtained from monomers obtained from petroleum or vegetable oil feedstocks and which are present in an amount of up to 95 wt% of the combined weights of the film-forming polymer and the hydroxyalkanoate polyester.
- 15. (Twice amended) The composition of claim 1 further comprising a copolymer which comprises monomers capable of forming homopolymers having high minimum film-forming

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temperatures and monomers capable of forming homopolymers having low minimum filmforming temperatures.

- 16. (Twice Amended) The composition of claim 15 wherein the monomers capable of forming homopolymers having high film-forming temperatures are selected from the group consisting of carboxylic acids, non-acidic monomers, fumaric anhydrides, and maleic anhydrides.
- 17. (Twice amended) The composition of claim 15 wherein the monomers capable of forming homopolymers having low film-forming temperatures are selected from the group consisting of ethyl acrylate, 2-ethyl acrylate, methyl acrylate, butyl acrylate, and vinyl esters of branched chain acids.
 - 18. (Original) The composition of claim 1 further comprising a pigment.
- 19. (Original) A method of coating a structure comprising applying an aqueous filmforming coating composition comprising a polyhydroxyalkanoate polyester, wherein the composition forms a water-resistant film at ambient temperatures and at least 60% of the polyester particles have a density of less than 102% D_{min}, D_{min} being the lowest density attainable by the polyester.
- 20. (Original) The method of claim 19 wherein the polyhydroxyalkanoate polyester forms particles which fuse at ambient temperatures.

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21. (Original) The method of claim 19 wherein the polyhydroxyalkanoate polyester comprises a copolymer of between 60 and about 100 mole% 3-hydroxybutyrate and between about 0 and 40 mole% 3-hydroxyvalerate.

22. (Twice amended) The method of claim 19 wherein the coating composition further comprises a copolymer which comprises monomers capable of forming homopolymers having high minimum film-forming temperatures and monomers capable of forming homopolymers having low minimum film-forming temperatures.

23. (Twice amended) The method of claim 22 wherein the monomers capable of forming homopolymers having high film-forming temperatures are selected from the group consisting of carboxylic acids, non-acidic monomers, fumaric anhydrides, and maleic anhydrides.

24. (Twice amended) The method of claim 22 wherein the monomers capable of forming homopolymers having low film-forming temperatures are selected from the group consisting of ethyl acrylate, 2-ethyl acrylate, methyl acrylate, butyl acrylate, and vinyl esters of branched chain acids.

25. (Original) The method of claim 19 wherein the composition further comprises film-forming polymers comprising monomers obtained from petroleum or vegetable oil feedstocks and which are present in an amount of up to 95 wt% of the combined weights of the film-forming polymer and the hydroxyalkanoate polyester, and the composition is applied as a paint or varnish.

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26. (Original) The method of claim 25 wherein the coating is applied to surfaces found on buildings or vehicles, their fittings or furnishings, or on metal or plastics containers.